

GENERAL INFORMATION

Type	D2EG280S6AB3	Efficiency Class	IE2
Pout [kW]	45	Vibration Class	A
Speed [rpm]	986	Weight [kg]	
Frame	280S	Degree of Protection	IP55
Current [A]	99	Cooling Method	IC 411
cos φ	0,71	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

USE WITH VARIABLE SPEED DRIVE		CE		TS		QR	
ONLY ACC. EU REGULATION 640/2009							
3~MOT	Type	DM 280S-6					
S1	IM B3	IP 55	I.C.L.F		η%		IE2 - 92,7
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	99	45	0,71	986	%75	92,7
Δ 480	60	99	54	0,7	1185	%50	92,1

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	435,85	99	986	45000	0,71	92,7	50
400	75	325,57	80	990	33750	0,66	92,7	50
400	50	216,17	65	994	22500	0,54	92,1	50

Locked Rotor Current	Ia [A]	534	Breakdown Torque	Mk [Nm]	1250
	Ia / In	5,39		Mk / Mn	2,87
Locked Rotor Torque	Ma [Nm]	1220	No Load Current	[A]	50,5
	Ma / Mn	2,80	No Load Power	[W]	1520

MECHANICAL DATA

DE Bearing	6316-ZZ	Sound Pressure - 50 Hz - dB[B]	92
NDE Bearing	6316-ZZ	Sound Pressure - 60 Hz - dB[B]	96
Fixed Bearing	YES	Housing Material	Cast Iron
Lubrication	Optional	DE Shield Material	Cast Iron
Grease Amount	30 gr	Terminal Box Material	Aluminium
Grease Type	POLYREX EM	Cable Entry	M50
Feather Key	20*12*125	Cable Gland Position	4
Balance	G 2,5 Half Key		

MECHANICAL DIMENSIONS

A	AA	AB	AC	AD	B	B'	BA	BB	C	D	d	E	EB	F	GA
457	120	85	545	-	368	419	85	474	190	75	M20	140	125	20	79,5
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
12	280	40	530	629,9	24	24	970	-	-	-	-	-	-	-	-

